WHAT IS CLAIMED IS:

1. A pull-on disposable diaper comprising an absorbent including a liquid-permeable topsheet, a liquid-impermeable backsheet and an absorbent core disposed therebetween, and having a front waist region, a rear waist region and a crotch region extending therebetween, and a waist-opening and a pair of leg-openings defined by said respective regions wherein said waist-opening and said leg-openings are provided with elastic members being stretchable circumferentially of said respective openings and bonded thereto in longitudinally extended conditions thereof, said disposable diaper being characterized in that:

said elastic members associated with said waist-opening extend across said front and rear waist regions and said crotch regions substantially at the same level vertically of said diaper; and

said absorbent core has a front end in said front waist region and a rear end in said rear waist region, said front end lies below said elastic members associated with the waist-opening and said absorbent core extending, in said rear waist region, upward beyond said elastic members associated with the waist-opening so that said absorbent core has a rear



end lying above said elastic members associated with the waist-opening.

- 2. The diaper according to Claim 1, wherein, in said rear waist region, said rear end of said absorbent core lies above said elastic members associated with the waist-opening and a region extending in the proximity of said rear end are covered with a liquid-impermeable sheet.
- 3. The diaper according to Claim 1, wherein said absorbent core has a plurality of notches extending downward in parallel one to another with said rear end.
- 4. The diaper according to Claims 1, wherein said absorbent is bonded to an inner surface of a shorts-shaped member having said front and rear waist regions and said crotch region.